



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA50R650CE		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA001266404						
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2055.52 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.436	0.12	0.12	1185	1185
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
	non noble metal	copper	7440-50-8	947.445	46.09	46.15	460927	461527
	non noble metal	aluminium	7429-90-5	0.830	0.04	0.04	404	404
wire	non noble metal	aluminium	7429-90-5	0.830	0.04	0.04	404	404
encapsulation	organic material	carbon black	1333-86-4	10.892	0.53		5299	
	plastics	epoxy resin	-	174.704	8.50		84993	
	inorganic material	silicondioxide	60676-86-0	905.163	44.04	53.07	440357	530649
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398
solder	non noble metal	antimony	7440-36-0	0.172	0.01		84	
	noble metal	silver	7440-22-4	0.430	0.02		209	
	non noble metal	tin	7440-31-5	1.118	0.05	0.08	544	837
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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